

## Appendix

Appendix eTable 1: Inter-hospital comparison of context in which direct or indirect activities were performed

Appendix eFigure 1: Heatmaps showing the proportion of training residents received during the working day.

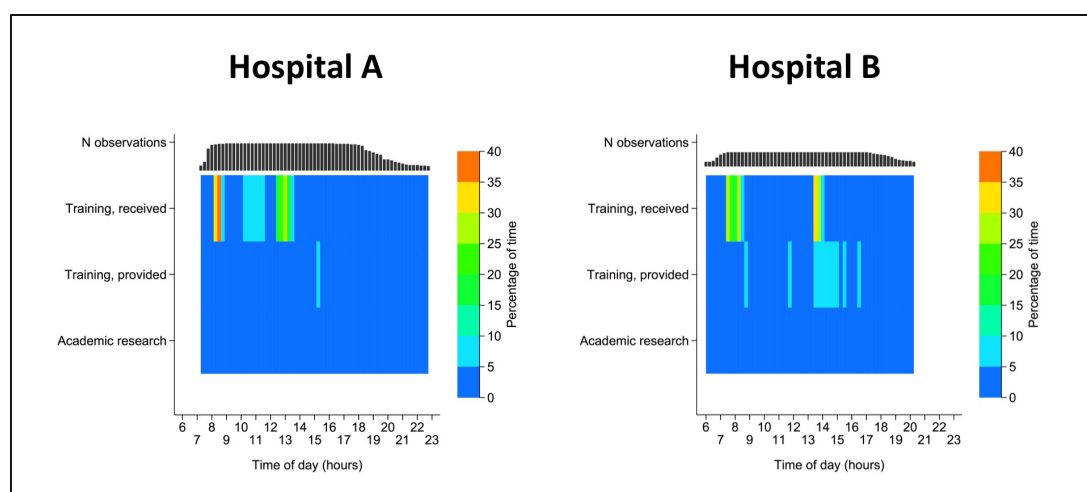
Appendix eFigure 2: Heatmaps showing the proportion of time activities were performed using a computer.

**Appendix eTable 1:** Inter-hospital comparison of context in which direct or indirect activities were performed

	Time (min)			Percentage of time		
	Hospital A	Hospital B	p-value	Hospital A	Hospital B	p-value
<b>Directly related to the patient</b>						
With patients	22 (15 - 29)	23 (16 - 31)	0.828	11.3 (7.7 - 14.9)	17.3 (13.5 - 21.2)	0.036
With computer	33 (24 - 42)	10 (0 - 20)	0.002	15.1 (10.6 - 19.5)	9.5 (4.6 - 14.4)	0.117
With colleagues	134 (120 - 147)	76 (61 - 90)	<0.001	70 (63.2 - 76.9)	67.5 (60.0 - 75.0)	0.645
With telephone	2 (1 - 4)	1 (0 - 3)	0.340	1.1 (0.5 - 1.8)	0.9 (0.2 - 1.6)	0.616
With none of the above	4 (2 - 6)	6 (4 - 7)	0.244	2.0 (0.8 - 3.3)	4.9 (3.6 - 6.3)	0.004
<b>Indirectly related to the patient</b>						
With patients	1 (0 - 3)	0 (0 - 2)	0.248	0.4 (0 - 0.8)	0.1 (0 - 0.5)	0.261
With computer	164 (148 - 180)	182 (164 - 200)	0.166	45.5 (42.4 - 48.7)	47.3 (43.8 - 50.7)	0.482
With colleagues	115 (99 - 131)	132 (114 - 150)	0.174	31.7 (28.5 - 34.9)	34.4 (30.9 - 37.9)	0.304
With telephone	55 (47 - 64)	40 (30 - 50)	0.029	15.1 (13.0 - 17.2)	10.3 (8.0 - 12.7)	0.005
With none of the above	26 (21 - 31)	29 (24 - 34)	0.455	7.2 (5.7 - 8.6)	7.9 (6.3 - 9.6)	0.530

Results are expressed as average (95% confidence interval) obtained using a mixed model taking into account repeated observations of the same residents and adjusting for clinical experience and distance between hospital and home. Negative bounds have been replaced with zero values

Appendix eFigure 1: Heatmaps showing the proportion of training residents received during the working day. In hospital A, there was more training received during the daily round than in hospital B. Residents of hospital B taught their medical students more often.



Appendix eFigure 2: Heatmaps showing the proportion of time activities were performed using a computer. In both hospitals computer usage is widely spread through the whole day. In hospital B, there are two time periods (during handoffs and lunchbreak) in which hardly any resident uses a computer.

